

a database is divided by the image data generating apparatus 33 into moving image data, still image data, text data, figure information, and icon and window data, the data is subjected to a predetermined coding process, and the resultant data is inputted to the radio interface 32. The image data is inputted from the parent device radio interface 32 to the child device radio interface 2 and is inputted to predetermined signal processing systems in accordance with the kinds of the data. That is, the moving image data is converted to a video signal by the moving image decoder 3, which is supplied to the write signal generating circuit 17 via the moving image write line 4. The still image is converted to video signals by the still image decoder 5. After that, the video signal is once written in the still image memory 6. The still image data is sequentially inputted to the write signal generating circuit 17 via the still image writing line 7 at predetermined timings. The text data and the figure information are once stored in a text code form or the like in the text code memory 8. The text data and the figure information is sequentially read by the outline font generating circuit 9 at a predetermined timing and is converted into still image data. After that, the still image data is inputted to

the write signal generating circuit 17 via the text  
writing line 11. The icon and window data is once  
stored in a state of a data code and image address  
data into the icon/window address memory 12. The icon  
5 and window data is sequentially read by the  
icon/window generating circuit 13 at a predetermined  
timing and is converted to still image data. After  
that, the still image data is inputted to the write  
signal generating circuit 17 via the icon/window  
10 writing line 15.

The reading operation of data from the still image  
memory 6, the text code memory 8, and the icon/window  
address memory 12 is controlled by the timing  
generating circuit 20 as will be described hereinlater.  
15 Changes in the position and shape of the icon and the  
window are detected by the icon/window position  
detecting circuit 16. When those changes are detected,  
the icon/window position detecting circuit 16  
interrupts the inputting operation of the still image  
20 data controlled by the timing generating circuit 20 to  
the write signal generating circuit 17 and writes  
still image data to display pixel addresses of a part  
in which the position or shape of the icon and the  
window is changed.

25 The write signal generating circuit 17 sends a

write signal to the display pixel array 18 on the basis of inputted image data, which will be described hereinlater with reference to Fig. 2. The display pixel array 18 has the touch sensor. Address information instructed by the tip of a finger or the like is inputted to the touch sensor output generating circuit 19 and to the image data generating apparatus 33 via the radio interfaces 2 and 32 and a command of the operator is transmitted.

10       The operation of the display pixel array 18 will be described with reference to Fig. 2.

          The write signal generating circuit 17 divides the image data into a moving image and a still image and outputs data and addresses of each of the images. The data of the moving image is supplied to the moving image signal output circuit 43 and the address of the moving image is outputted to the moving image vertical direction selecting circuit 52 and the moving image horizontal direction selecting circuit 44. The data of the still image is outputted to the still image signal output circuit 41 and the address of the still image is outputted to the still image vertical direction selecting circuit 51 and the still image horizontal direction selecting circuit 42.

25       When an image signal is written in the display